

What is claimed is:

1. A magneto-optical recording medium comprising:
a heat-radiation film; and
a magnetic film exhibiting magnetic anisotropy in a
5 direction vertical to a surface of the magnetic film,
wherein the heat-radiation film is formed between a
substrate and the magnetic film and is formed of a plurality of
alloy films having different thermal conductivities.

10 2. A magneto-optical recording medium comprising:
a heat-radiation film; and
a magnetic film exhibiting magnetic anisotropy in a
direction vertical to a surface of the magnetic film,
wherein the heat-radiation film is formed between a
substrate and the magnetic film and is formed of a plurality of
15 alloy films having different thermal conductivities, and of the alloy
films, the nearest one to the substrate has the highest thermal
conductivity and the farthest one from the substrate has the least
rough surface.

20 3. The magneto-optical recording medium according to claim
2, wherein the heat-radiation film is formed of two alloy films
including a first heat-radiation film nearer to the substrate and a
second heat-radiation film farther from the substrate, and the first
heat-radiation film has a higher thermal conductivity and a larger
thickness than the second heat-radiation film.

25 4. The magneto-optical recording medium according to claim
3, wherein the first heat-radiation film is an alloy film containing
Al or Ag as a main component.

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5. The magneto-optical recording medium according to claim 4, wherein the first heat-radiation film is an alloy film containing a predetermined amount of Cr, Si or Ti.

6. The magneto-optical recording medium according to any one of claims 3, 4 and 5, wherein the second heat-radiation film is an alloy film containing Ni as a main component.

7. The magneto-optical recording medium according to claim 6, wherein the second heat-radiation film is an alloy film containing a predetermined amount of P or Al.

10 8. The magneto-optical recording medium according to claim 3, wherein the second heat-radiation film is formed on the first heat-radiation film whose surface is flattened by etching.

9. A process for forming a magneto-optical recording medium including a first dielectric film, a first heat-radiation film, a second heat-radiation film, a second dielectric film, a magnetic film and a third dielectric film formed on a substrate in this order, the process comprising the steps of:

forming, as the first heat-radiation film, an alloy film having a higher thermal conductivity and a larger thickness than the second heat-radiation film;

etching a surface of the first heat-radiation film to flatten the surface; and

forming the second heat-radiation film on the flattened surface of the first-radiation film.